TFT ANALOG
LCD MONITOR SPECIFICATIONS

081AX
101AX
121AX
12AX
151AX
15AX
171AX
17AX
171WAX
191AX
19AX
191WAX
201AX
20AX
201WAX
221WAX
22WAX
26AX
32AX
37AX
42AX

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PRODUCT

Note：Save the original box and packing material for future shipping needs.

Contents

◆ The Accessories in this LCD Monitor Model.

Accessory Box:
1. VGA cable X 1
2. Power Cord X 1
3. User's manual X 1
4. AC to DC adapter X 1
5. CGA 10pin Cable(Optional)

Features

◆ High Brightness.

◆ Fast response time.

◆ Power Saver.

◆ Low electromagnetic wave and power saver.

◆ Safety certifications.

Power saver

◆ Power control system, also called (Power Saver), is installed inside the LCD Monitor.

◆ If the monitor has not been used for a certain period of time, the system will turn the monitor to low voltage mode to save power. Slight moving or any click will return to the original image.

◆ The VGA card inside the computer handles Power Saver. You can use computer software to set the function.

◆ The LCD Monitor is compatible with EPA ENERGY STAR and N TEK if used with a VESA DPMS computer.

◆ To save power, turn off the power of the LCD monitor when not in use.

Plug & play

◆ The new VESA Plug and Play function is used which eliminates the complicated and time-consuming installation process.

◆ You can use the Plug and Play system without encountering usual installation problems. Your computer system can easily identify and automatically adjust the monitor.

◆ The LCD Monitor uses Display Data Channel (DDC) to send Extended Display Identification Data (EDID) to the computer system, so the computer system can be set to monitor auto adjust.

SAFETY

Note: Please note the following safety precaution before using this monitor.

Electrical

Sure the Voltage

- Before connecting the AC power cord to the DC adapter socket, make sure that voltage of the DC adapter is suitable for local power.

Electrical Shock

- Do not insert any metal object into opening on the LCD monitor casing to prevent electrical shock.
- To prevent electrical shock, do not touch the interior of the LCD monitor. Only a qualified technician should open the casing of monitor.
- If the power cord is damaged, do not use the LCD monitor. Do not place any object on the power cord, and place the power cord away from crowded areas.
- While pulling the LCD monitor plug away from the socket on the wall, hold the plug not the power cord.
- Do not expose the LCD monitor in the rain or somewhere closed to the water (such as in the kitchen, near the pool).
- If the LCD monitor is dampened, please unplug the power cord and contact Service Center.

Unusual condition

- If the LCD monitors functions improperly, especially when making unusual noise or spreading strange odor, unplug it immediately and contact service center.

Common

Monitor and Screen Care

- Avoid touching the screen with your fingers or any tough objects. Oil from the skin is difficult to remove, and touching objects to the screen may damage the panel. It is suggested to clean the monitor by first turning it off and using a soft, dry cloth.
- The LCD monitor should be placed in areas with low humidity and less dust. Please watch out for environmental conditions on humidity and ventilation.
- The LCD monitor should be kept away from heat sources and irradiation. For example: kitchen, oven or direct sunlight and etc.
- To reduce glare, avoid placing the monitor in a place that receives direct sunlight.
- Avoid letting small children play with monitor. The frequent touching of the panel will cause panel to look dirty and will affect the quality of the brightness if too dirty.
- If moving the monitor, please handle with care when unplugging and moving it.
- Do not place items over the monitor when placing and adjusting the LCD monitor.
- If the LCD monitor is not in use for a long time, please unplug it and restore it into the proper package, the original carton & packaging stuffs are preferred.
- The opening on the LCD Monitor casing is for the purpose of ventilation. To prevent overheating, the openings should not be blocked or covered. Do not place the LCD monitor on a bed, sofa, blanket or other soft surfaces; or else the soft objects will block the openings of the LCD monitors.
- If you place the LCD Monitor on a bookshelf or other airtight spaces, it's essential to leave a space of 4"(10cm) distance between the Monitor and the hard surface.

Clean screen

- Ensure the area around the LCD monitor is clean and free of moisture. Please refer to [Maintenance] chapter for normal maintenance practice.

SET UP YOUR LCD MONITOR

Installation

Notes

Note: Please read last section " Safety" before you install the LCD Monitor.
Please note the instruction below prior to installing your LCD monitor.

Installation Position

- Choose a position where the reflection of light is minimal and away from a window for maximizing the quality of the screen image.
- It is important to keep 30 cm between the LCD monitor to minimize eyestrain.

Workstation Height

- Position the LCD monitor slightly above your horizontal vision as you are sitting.

Angle of Vision

- Tilt either forward or backward for the most comfortable viewing angle.

Quick Installation

This LCD monitor supports connection to a computer or workstation. The steps are described as Quick Setup.

- After installation, please refer to "Auto Adjust" for automatic adjust procedures.

Screen Adjustments

Auto Adjust

Though your computer system can identify the new LCD monitor system, the Auto Adjust function can be as to enhance the display. To enter adjust mode, please refer to "OSD Control".

- Turn the computer and LCD monitor on.
- Press 'Auto' button to start Auto Adjust.
- The LCD monitor will start the Auto Adjust process automatically for 10 consecutive seconds, where you will notice the image change as the Auto Adjust is working.

Self Test Function Check (STFC):

- Your LCD monitor provides a STFC function, through which you can check whether the LCD monitor functions are working properly.
- If your LCD monitor is properly connected, but there is no image showing and the indicator light keeps orange, please follow the steps below to start STFC.

  Shutdown computer and LCD monitor.
  Unplug the signal connector from the back of computer.
  Turn the LCD monitor on.

If the image connector is disconnected or damaged, the image shown on following figure will also appear during normal operation.

Turn off the LCD monitor and reconnect signal cable, and then turn the computer and LCD monitor on.

- If the LED of the LCD monitor is an orange color after completing the steps above, please check your VGA card and computer system. Your monitor should be operating properly.

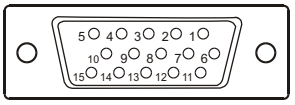
OSD Control

Thanks to the user-friendly design of OSD (On Screen Display), you can adjust your monitor by the keypads in the front of the monitor.

⑥⑤④③②①

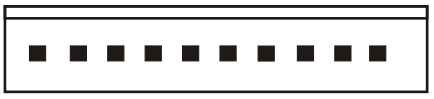
1	Power Switch	Power On/Off
2	LED	Power Indicator
		Green:Normal
		Red:Power Saving
		Off:Power Off
3	Menu	Show OSD
4	+	Adjustment when OSD is shown
5	-	Adjustment when OSD is shown
6	Auto/Esc	Automatically optimize positions,phase&clock when OSD
		is shown,Exit OSD when OSD is shown

VGA Signal Connector



Pin 1	Analog Red Input
Pin 2	Analog Green Input
Pin 3	Analog Blue Input
Pin 4	Ground
Pin 5	Digital Ground
Pin 6	Analog Red Ground
Pin 7	Analog Green Ground
Pin 8	Analog Blue Ground
Pin 9	NC
Pin 10	Sync Ground
Pin 11	Ground
Pin 12	SDA (DDC Data)
Pin 13	H. Sync or H+V Sync.
Pin 14	V. Sync
Pin 15	SCL (DDC CLK)

CGA Signal Connector (Optional)



Pin1	CGA Analog Red Input
Pin2	CGA Analog Green Input
Pin3	CGA Analog Blue Input
Pin4	Ground
Pin5	V Sync
Pin6	H+V,H Sync
Pin7	No Connection
Pin8	Ground
Pin9	V Sync
Pin10	H+V,H Sync

Operate Explanation

Your LCD has been adjusted to its optimal status before shipment. You can also adjust the image in accordance with the following illustrations and steps.

- Press the "Menu" button to start the OSD feature.
- Click the "+" or "-" button to select the function to be adjusted.
- Click the "Menu" button to access into the function to be adjusted.
- Click the "+" or "-" button to change the current setting of the function.
- To exit the OSD menu or go back to the previous action by clicking the "ESC" button. It will save the change automatically.
- To repeat above steps for changing the setting of other functions.

Notes

- The OSD disappears several seconds after you stop pressing the buttons while performing an adjustment.
- Any changes are automatically saved in the memory when the OSD disappears. Turning off the power should be avoided while using the menu.
- Adjustments for clock, phase and positions are saved for each signal timing. Except for these adjustments, all other adjustments have only one setting which applies to all signal timings.
- The color will change from white to pink while the function is selected.

Adjustment of Screen

Function Definition

Mode	Description	
Image Setting	Contrast	Adjust the contrast of the image.
	Brightness	Adjust the brightness of the screen.
	Sharpness	Adjust the picture sharpness.
	Color temperature	User/6500/7500/9300.
	User RGB	Adjust red/green/blue gain.
	Image Alighthent	Adjust picture position.(V-size,H-size,..)
	Reset	Restore to factory settings.
Feature Controls	Auto Color	Auto adjust the screen color.
	Screen Test	Screen Test.
	Language	Adjust the language.
	Input Source	Adjust the input source.
	OSD Timer	Adjust the OSD timer.

TROUBLE SHOOTING

Check the information in this section to see if the problems can be solved before requesting repair.

Note：The consumers are only allowed to solve the problems described as below. Any unauthorized product modification, or failure to follow instructions supplied with the product will end the warranty immediately.

No image	◆ Make sure power button is ON.
	◆ Check whether the LCD monitor and computer power cords are plugged and whether there is a supply of power.
No Signal Input	◆ Check the signal connection between the computer and LCD monitor.
"Out Of Range"	◆ Check the computer image output resolution and frequency and compare the value with the preset values (Please refer to [Appendix-Display Mode]).
Fuzzy image	◆ Adjust Phase.
Image too bright **Image too dark**	◆ Adjust brightness and contrast by OSD.
Irregular image	◆ Check the signal connection between the computer and LCD monitor.
	◆ Perform Auto Adjust.
Distorted image	◆ Reset the LCD monitor. (perform the "Recall" function by OSD)
	◆ Take off extra accessories (such as signal extension cord).
Image is not centered **Size is not appropriate**	◆ Use OSD Image Menu to adjust H. Position and V. Position.
	◆ Check image size setting.
	◆ Perform Auto Adjust.
Uneven color **Color too dark** **Dark area distorted** **White color is not white**	◆ Use OSD Color Menu to adjust color setting.
Can't adjust LCD monitor with the buttons in the front. **The other problem**	◆ Please contact the stores where you purchased the unit or service center listed at your warranty card.

MAINTENANCE

This product is under strict quality control in the production process. Maintaining the LCD monitor, refer to the description as below, and is important for maximizing the display performance and product life.

Warring: To prevent electrical shock, do not open the LCD monitor casing. Users shall not repair the LCD monitor on their own. Users' maintenance is limited to cleaning of the parts below.

Unplug the power

- Unplug the LCD monitor from an AC socket before conducting maintenance.

Check the cover

- Check to see if the LCD Monitor and accessories are damaged, broken, or strained.

Clean

- Never spray or pour any liquid directly onto the screen or case.
- Avoid water or and liquid permeating into the LCD monitor or accessories.

Cleaner

Pure water or non-ammonia, non-alcohol based glass cleaner.
Do not use ketene (such as acetone), ethanol, toluene, acetic acid, methane, chloride, or abrasive detergent to clean the monitor because those chemicals can damage the LCD monitor.

Screen

To clean your LCD monitor screen, use water or mild cleaner, as above, to gently moist a soft, clean cloth.
If possible, use a special screen cleaner sheet or a solution suitable for static electricity application.

Case

To clean your LCD monitor case, use water or mild cleaner, as above, to gently moist a soft, clean cloth.

Accessory

To clean your accessories, use water or mild cleaner, as above, to gently moist a soft, clean cloth.

Conserve

- If the LCD monitor is not in use for a long time, please unplug and save in original box in order to avoid any unexpected damage.

Disclaimer

- Any damage resulting from use of any cleaner that is not mentioned above is not covered under this warranty term.

SPECIFICATIONS

* FEATURES:
* High Brightness.
* External OSD key board.
* Fast response time.
* Low electromagnetic wave and power saver.
* RoHS compliance.

Model		081AX-01	101AX-01	121AX-01	12AX-01	151AX-01
ModelSelectionGuide		Model-xxxAX(A0=PConly,A1=CGA-EGA-PC)				
Touch System	3MTouch					CMT35151A
	ELO-Touch					EMT35151A
LCD Panel	Screen Size	8.4	10.4	12.1	12.1	15.0
	Pixel Pitch(mm)	0.213*0.213	0.264*0.264	0.3075*0.3075	0.3075*0.3075	0.297*0.297
	Backlight	CCFL*1	CCFL*1	CCFL*2	CCFL*2	CCFL*2
	Cell Type	TN	TN	TN	SMVA	TN
	Response	35ms	30ms	25ms	25ms	8ms
	Aspect Ratio	4:3	4:3	4:3	4:3	4:3
Viewing Angle	Horizontal	130°	140°	140 °	178°	140 °
	Vertical	100°	120°	110 °	178°	125 °
Video	Input Mode	SVGA	SVGA	SVGA	SVGA	XGA
	Horizontal	15~47KHz	15~47KHz	15~47KHz	15~47KHz	15~60KHz
	Vertical	48~75Hz	48~75Hz	48~75Hz	48~75Hz	48~75Hz
Display	Resolution	800*600	800*600	800*600	800*600	1024*768
	Contrast Ratio	600:1Typ	500:1Typ	500:1Typ	1000:1Typ	700:1Typ
	Brightness	220cd/m2	230cd/m2	400cd/m2	450cd/m2	250cd/m2
	Horizontal Size	170.4	211.2	246.0	246.0	304.128
	Vertical Size	127.8	158.4	184.5	184.5	228.096
	Colors	262K	16.2M	262K	262K	16.2M
	Bandwidth	30MHz	30MHz	30MHz	30MHz	90MHz
Power	Consumption	20Wmax	20Wmax	25Wmax	25Wmax	40Wmax
	Management	VESA-DPMS 20Wmax PowerDown Mode</=3Watts	VESA-DPMS 20Wmax PowerDown Mode</=3Watts	VESA-DPMS 25Wmax PowerDown Mode</=3Watts	VESA-DPMS 25Wmax PowerDown Mode</=3Watts	VESA-DPMS 40Wmax PowerDown Mode</=3Watts
	Input	XXAX-01 : AC/DC Adapter(Input110-240VAC,Output12VDC)external XXAX-02 :AC Adapter 110-240 VAC Built In Power Start Up Delay < 3sec				
Operations	Function Key	5Key				
	OSD Adjustment	Constrast,Brightness,Phase,Clock,H-position,V-position,....Exit				
Input Signal		0.7Vpp Analog75 ohm				
Sync		TTL Level Separate,Composite				
Windows Compatibility		Windows98/2000				
PC Interface		Analog Interface				
Signal Cable		Standard VGA cable w/15-pin D-sub				
EMI/Safety						
Operating Temperature		0℃~40℃				
Humidity		10~85%				
Outer Dimension(L*W*H)mm		220.5*150.5*30	248*177*30	285*217*36	285*217*36	330.5*257.5*48
Packing Dimension(L*W*H)mm		490*375*280	555*350*372	490*442*310	490*442*310	425*375*350
Weight	1PCS(Kg)	2.5	3.0	3.25	3.25	3.725
Approx	4PCS(Kg)	15(6PCS)	18(6PCS)	13	13	14.9

SPECIFICATIONS

* FEATURES:
* High Brightness.
* External OSD key board.
* Fast response time.
* Low electromagnetic wave and power saver.
* RoHS compliance.

Model		15AX-01	171AX-01	17AX-01	171WAX-01	191AX-01
		(w/o RoHS)	171AX-02	17AX-02	171WAX-02	191AX-02
ModelSelectionGuide		Model-xxxAX(A0=PConly,A1=CGA-EGA-PC)				
Touch System	3MTouch	CMT3515A	CMT35171A	CMT3517A		
	ELO-Touch	EMT3515A	EMT35171A	EMT3517A		
LCD Panel	Screen Size	15.0	17.0	17.0	17.0	19.0
	Pixel Pitch(mm)	0.297*0.297	0.264*0.264	0.264*0.264	0.255*0.255	0.294*0.294
	Backlight	CCFL*4	CCFL*4	CCFL*4	CCFL*2	CCFL*4
	Cell Type	MVA	TN	PVA	TN	TN
	Response	25ms	5ms	25ms	10ms	5ms
	Aspect Ratio	4:3	5:4	5:4	16:10	5:4
Viewing Angle	Horizontal	160°	160 °	178 °	140 °	170°
	Vertical	160°	160 °	178 °	120 °	160 °
Video	Input Mode	XGA	SXGA	SXGA	WXGA	SXGA
	Horizontal	15~60KHz	15~80KHz	15~80KHz	15~80KHz	15~80KHz
	Vertical	48~75Hz	48~75Hz	48~75Hz	48~75Hz	48~75Hz
Display	Resolution	1024*768	1280*1024	1280*1024	1440*900	1280*1024
	Contrast Ratio	400:1Typ	800:1Typ	600:1Typ	600:1Typ	1000:1Typ
	Brightness	250cd/m2	300cd/m2	250cd/m2	400cd/m2	300cd/m2
	Horizontal Size	304.1	337.920	337.92	367.2	376.32
	Vertical Size	228.1	270.336	270.336	229.5	301.056
	Colors	16.2M	16.7M	16.7M	262K	16.7M
	Bandwidth	90MHz	130MHz	130MHz	130MHz	130MHz
Power	Consumption	40Wmax	42Wmax	42Wmax	42Wmax	45Wmax
	Management	VESA-DPMS 40Wmax PowerDown Mode</=3Watts	VESA-DPMS 42Wmax PowerDown Mode</=3Watts	VESA-DPMS 42Wmax PowerDown Mode</=3Watts	VESA-DPMS 42Wmax PowerDown Mode</=3Watts	VESA-DPMS 45Wmax PowerDown Mode</=3Watts
	Input	XXAX-01 : AC/DC Adapter(Input110-240VAC,Output12VDC)external XXAX-02 :AC Adapter 110-240 VAC Built In Power Start Up Delay < 3sec				
Operations	Function Key	5Key				
	OSD Adjustment	Constrast,Brightness,Phase,Clock,H-position,V-position,....Exit				
Input Signal		0.7Vpp Analog75 ohm				
Sync		TTL Level Separate,Composite				
Windows Compatibility		Windows98/2000				
PC Interface		Analog Interface				
Signal Cable		Standard VGA cable w/15-pin D-sub				
EMI/Safety						
Operating Temperature		0°C~40°C				
Humidity		10~85%				
Outer Dimension(L*W*H)mm		334.5*257.5*48	362.5*300.5*50	362.5*300.5*50	384.7*250.7*45	400*328*51
Packing Dimension(L*W*H)mm		425*375*350	462*400*410	462*400*410	486*400*438	500*400*438
Weight	1PCS(Kg)	3.725	6	6	6.37	5.2
Approx	4PCS(Kg)	14.9	24	24	25.5	26.3

SPECIFICATIONS

* FEATURES:
* High Brightness.
* External OSD key board.
* Fast response time.
* Low electromagnetic wave and power saver.
* RoHS compliance.

Model		19AX-01	191WAX-01	191WAX-03	201AX-01	20AX-01	201WAX-01
		19AX-02	191WAX-02		201AX-02	20AX-02	201WAX-02
ModelSelectionGuide		Model-xxxAX(A0=PConly,A1=CGA-EGA-PC)					
Touch System	3MTouch				CMT35201A	CMT3520A	
	ELO-Touch				EMT35201A	EMT3520A	
LCD Panel	Screen Size	19.0	19.05	19.05	20.1	20.1	20.04
	Pixel Pitch(mm)	0.294*0.294	0.285*0.285	0.285*0.285	0.2916*0.2916	0.255*0.255	0.3247*0.3247
	Backlight	CCFL*4	CCFL*4	CCFL*4	CCFL*4	CCFL*6	CCFL*6
	Cell Type	PremiumMVA	TN	TN	TN	MVA	TN
	Response	20ms	5ms	5ms	8ms	16ms	8ms
	Aspect Ratio	5:4	16:10	16:10	4:3	4:3	16:9
Viewing Angle	Horizontal	178 °	170°	170°	150°	178°	160°
	Vertical	178 °	160 °	160°	130°	178°	140°
Video	Input Mode	SXGA	WXGA+	WXGA+	SXGA	UXGA	WXGA
	Horizontal	15~80KHz	15~80KHz	15~80KHz	15~80KHz	15~96KHz	15~60KHz
	Vertical	48~75Hz	48~75Hz	48~75Hz	48~75Hz	48~75Hz	48~75Hz
Display	Resolution	1280*1024	1440*900	1440*900	1400*1050	1600*1200	1366*768
	Contrast Ratio	1300:1Typ	1000:1Typ	850:1Typ	600:1Typ	1000:1Typ	700:1Typ
	Brightness	300cd/m2	400cd/m2	300cd/m2	300cd/m2	300cd/m2	450cd/m2
	Horizontal Size	376.32	410.4	410.4	408.24	408	443.61
	Vertical Size	301.056	256.5	256.5	306.18	306	249.41
	Colors	16.7M	16.7M	16.2M	16.2M	16.7M	16.2M
	Bandwidth	130MHz	130MHz	130MHz	130MHz	160MHz	130MHz
Power	Consumption	45Wmax	45Wmax	45Wmax	45Wmax	50Wmax	50Wmax
	Management	VESA-DPMS 45Wmax PowerDown Mode</=3Watts	VESA-DPMS 45Wmax PowerDown Mode</=3Watts	VESA-DPMS 45Wmax PowerDown Mode</=3Watts	VESA-DPMS 45Wmax PowerDown Mode</=3Watt	VESA-DPMS 50Wmax PowerDown Mode</=3Watts	VESA-DPMS 50Wmax PowerDown Mode</=3Watts
	Input	XXAX-01 : AC/DC Adapter(Input110-240VAC,Output12VDC)external XXAX-02 :AC Adapter 110-240 VAC Built In Power Start Up Delay < 3sec					
Operations	Function Key	5Key					
	OSD Adjustment	Constrast,Brightness,Phase,Clock,H-position,V-position,....Exit					
Input Signal		0.7Vpp Analog75 ohm					
Sync		TTL Level Separate,Composite					
Windows Compatibility		Windows98/2000					
PC Interface		Analog Interface					
Signal Cable		Standard VGA cable w/15-pin D-sub					
EMI/Safety							
Operating Temperature		0°C~40°C					
Humidity		10~85%					
Outer Dimension(L*W*H)mm		400*328*51	429.5*281*50	429.5*281*50	436*335.8*55.5	436*335.8*55.5	476*280.6*55
Packing Dimension(L*W*H)mm		500*400*438	570*450*410	570*450*410	536*400*445	536*400*445	576*416*392
Weight	1PCS(Kg)	6.57	6.87	6.87	7.25	7.25	7.75
Approx	4PCS(Kg)	26.3	27.5	27.5	29	29	31

SPECIFICATIONS

* FEATURES:
* High Brightness.
* External OSD key board.
* Fast response time.
* Low electromagnetic wave and power saver.
* RoHS compliance.

Model		221WAX-01	22WAX-01	26AX-0A	32AX-0A	37AX-0A	42AX-2A
		221WAX-02	22WAX-02				
ModelSelectionGuide		Model-xxxAX(A0=PConly,A1=CGA-EGA-PC)					
Touch System	3MTouch						
	ELO-Touch						
LCD Panel	Screen Size	22	22	26.0	31.5	37.02	42.02
	Pixel Pitch(mm)	0.282*0.282	0.282*0.282	0.4215*0.4215	0.510*0.510	0.6*0.6	0.681*0.681
	Backlight	CCFL*4	CCFL*4	CCFL*12	CCFL*12	CCFL*20	CCFL*16
	Cell Type	TN	MVA	PMVA	AMVA	PMVA	SMVA
	Response	5ms	6ms	6.5ms	8ms	6.5ms	6.5ms
	Aspect Ratio	16:10	16:10	16:9	16:9	16:9	16:9
Viewing Angle	Horizontal	170°	178°	176°	178°	176°	176°
	Vertical	160°	178°	176°	178°	176°	176°
Video	Input Mode	WSXGA+	SXGA	WXGA	WXGA	WXGA	WXGA
	Horizontal	15~80KHz	15~80KHz	15~60KHz	15~60KHz	15~60KHz	15~60KHz
	Vertical	48~75Hz	48~75Hz	48~75Hz	48~75Hz	48~75Hz	48~75Hz
Display	Resolution	1680*1050	1680*1050	1366*768	1366*768	1366*768	1366*768
	Contrast Ratio	700:1Typ	1000:1Typ	2500:1Typ	1500:1Typ	1500:1Typ	1500:1Typ
	Brightness	300cd/m2	300cd/m2	450cd/m2	500cd/m2	500cd/m2	500cd/m2
	Horizontal Size	473.76	473.8	575.769	697.685	930.246	930.246
	Vertical Size	296.1	296.1	323.712	392.256	523.008	523.008
	Colors	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
	Bandwidth	130MHz	130MHz	90MHz	90MHz	90MHz	90MHz
Power	Consumption	50Wmax	50Wmax	110Wmax	110Wmax	140Wmax	200Wmax
	Management	VESA-DPMS 50Wmax PowerDown Mode</=3Watts	VESA-DPMS 50Wmax PowerDown Mode</=3Watts	VESA-DPMS 110Wmax PowerDown Mode</=3Watts	VESA-DPMS 110Wmax PowerDown Mode</=3Watts	VESA-DPMS 140Wmax PowerDown Mode</=3Watts	VESA-DPMS 200Wmax PowerDown Mode</=3Watts
	Input	XXAX-01 : AC/DC Adapter(Input110-240VAC,Output12VDC)external XXAX-02 :AC Adapter 110-240 VAC Built In Power Start Up Delay < 3sec					
Operations	Function Key	5Key					
	OSD Adjustment	Constrast,Brightness,Phase,Clock,H-position,V-position,....Exit					
Input Signal		0.7Vpp Analog75 ohm					
Sync		TTL Level Separate,Composite					
Windows Compatibility		Windows98/2000					
PC Interface		Analog Interface					
Signal Cable		Standard VGA cable w/15-pin D-sub					
EMI/Safety							
Operating Temperature		0°C~40°C					
Humidity		10~85%					
Outer Dimension(L*W*H)mm		497*324*49	497*324*49	683*430*84	761*454.4*97	880.5*518*106	986*654*103
Packing Dimension(L*W*H)mm		600*200*428	600*200*428	765*365*590	887*261*577	980*280*620	1200*320*810
Weight	1PCS(Kg)	8	8	19.5	17.4	18.5	25.0
Approx	4PCS(Kg)	16(2PCS)	16(2PCS)				

SPECIFICATIONS

* FEATURES:
* High Brightness.
* External OSD key board.
* Fast response time.
* Low electromagnetic wave and power saver.
* RoHS compliance.

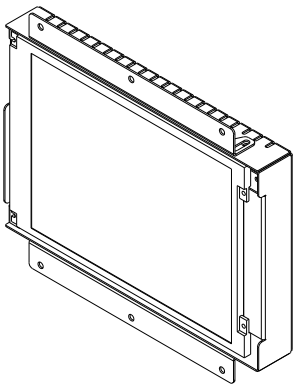
Black Plastic Front Bezel&Touch

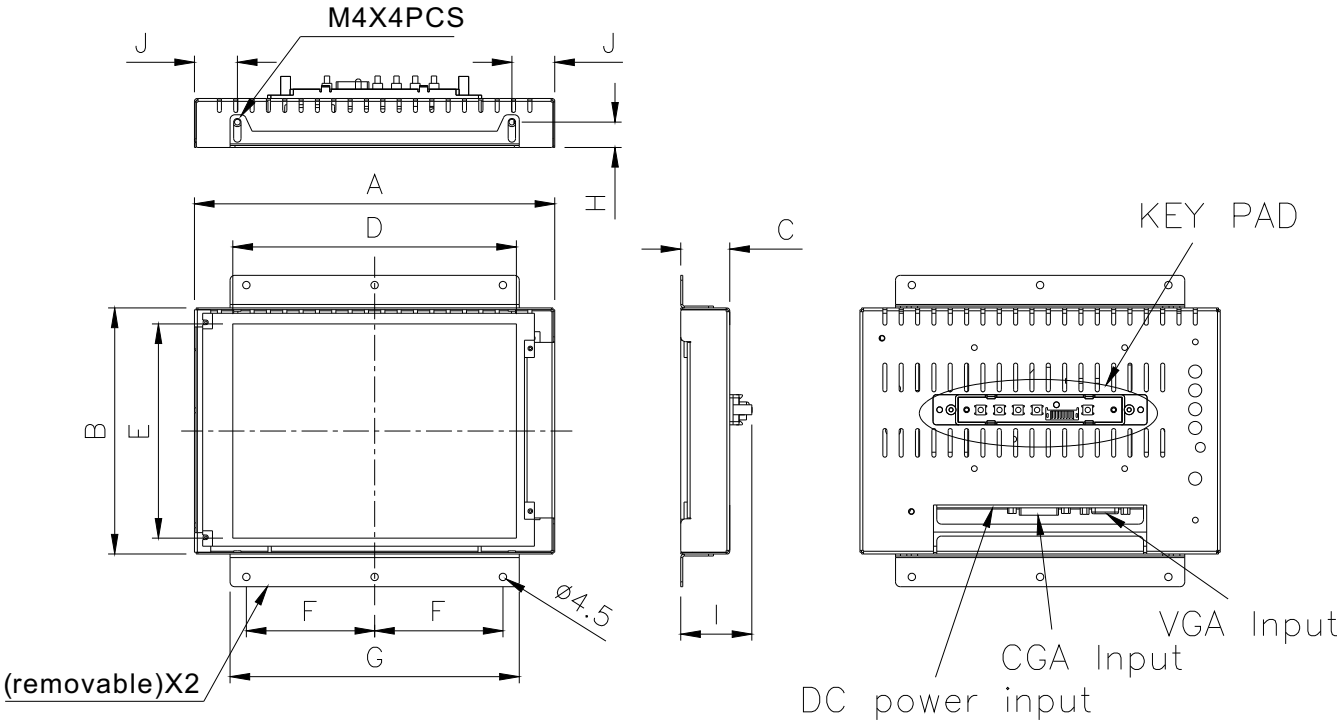
Model		C191AX-1Ax	C19AX-1Ax	C221WAX-1Ax
		E191AX-1Bx	E19AX-1Bx	E221WAX-1Bx
ModelSelectionGuide		CxxxAX(A0=PConly,A1=CGA-EGA-PC)		
Touch System	3MTouch	CxxxAx-"1Ax"(1A1/1A2=USB,1A3/1A4=RS232)		
	ELO-Touch	ExxxAx-"1Bx"(1B3/1B4=USB+RS232)		
LCD Panel	Screen Size	19.0	19.0	22
	Pixel Pitch(mm)	0.294*0.294	0.294*0.294	0.282*0.282
	Backlight	CCFL*4	CCFL*4	CCFL*4
	Cell Type	TN	PremiumMVA	TN
	Response	5ms	20ms	5ms
	Aspect Ratio	5:4	5:4	16:10
Viewing Angle	Horizontal	170°	178°	170°
	Vertical	160°	178°	160°
Video	Input Mode	SXGA	SXGA	WSXGA+
	Horizontal	15~80KHz	15~80KHz	15~80KHz
	Vertical	48~75Hz	48~75Hz	48~75Hz
Display	Resolution	1280*1024	1280*1024	1680*1050
	Contrast Ratio	700:1Typ	1300:1Typ	700:1Typ
	Brightness	300cd/m2	300cd/m2	300cd/m2
	Horizontal Size	376.32	376.32	473.76
	Vertical Size	301.056	301.056	296.1
	Colors	16.2M	16.7M	16.7M
	Bandwidth	130MHz	130MHz	130MHz
Power	Consumption	45Wmax	45Wmax	50Wmax
	Management	VESA-DPMS	VESA-DPMS	VESA-DPMS
		45Wmax	45Wmax	50Wmax
		PowerDown	PowerDown	PowerDown
		Mode</=3Watts	Mode</=3Watts	Mode</=3Watts
	Input	CxxAx-1A1/1A3,ExxAx-1B3 : AC/DC Adapter(Input110-240VAC,Output12VDC)external		
		CxxAX-1A2/1A4,ExxAx-1B4 :AC Adapter 110-240 VAC Built In		
		Power Start Up Delay < 3sec		
Operations	Function Key	5Key		
	OSD Adjustment	Constrast,Brightness,Phase,Clock,H-position,V-position,....Exit		
Input Signal		0.7Vpp Analog75 ohm		
Sync		TTL Level Separate,Composite		
Windows Compatibility		Windows98/2000		
PC Interface		Analog Interface		
Signal Cable		Standard VGA cable w/15-pin D-sub		
EMI/Safety				
Operating Temperature		0°C~40°C		
Humidity		10~85%		
Outer Dimension(L*W*H)mm		415.5*343*59	415.5*343*59	525*334*60.7
Packing Dimension(L*W*H)mm		545*264*445(2PCS)	545*264*445(2PCS)	600*200*428
Weight	1PCS(Kg)	6.2	7.0	9
Approx	2PCS(Kg)	12.4	14	18

Support PC Timing

Item	Resolution	H Freq.(kHz)	V Freq.(Hz)	Note
1	640x400@70	31.469	70.087	VGA
2	640x480@60	31.469	59.940	VGA
3	640x480@72	37.861	72.809	VGA
4	640x480@75	37.500	75.000	VGA
5	800x600@56	35.156	56.250	SVGA
6	800x600@60	37.879	60.317	SVGA
7	800x600@72	48.077	72.188	SVGA
8	800x600@75	46.875	75.000	SVGA
9	1024x768@60	48.363	60.004	XGA
10	1024x768@70	56.476	70.069	XGA
11	1024x768@75	60.023	75.029	XGA
12	1280x1024@60	64	60.003	SXGA
13	1280x1024@72	76.8	72.0	SXGA
14	1280x1024@75	80.0	75.0	SXGA
15	1680x1050@60	65.24	59.8	WXGA+
16	640x215@57	15.1	57.6	CGA
17	640x198@58	15.4	58.8	CGA
18	640x215@60	15.7	60	CGA
19	640x215@61	16.0	61	CGA
20	640x215@62	16.3	62	CGA
21	640x215@63.4	16.6	63.4	CGA
22	640x215@64	16.8	64	CGA
23	640x265@50	15.6	50.3	CGA
24	640x350@50	18.4	50	CGA
25	640x350@58	21.8	58.9	EGA
26	645x355@59	24.4	59.5	EGA
27	720x378@52	23.5	52	EGA
28	720x400@57	26.4	57.4	EGA

OUTER DIMENSION

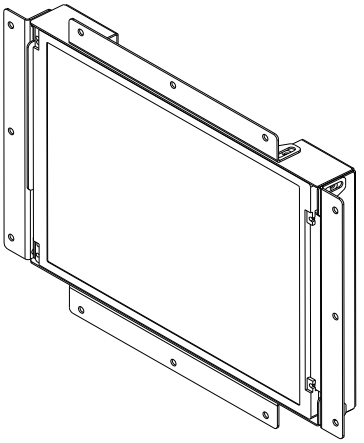


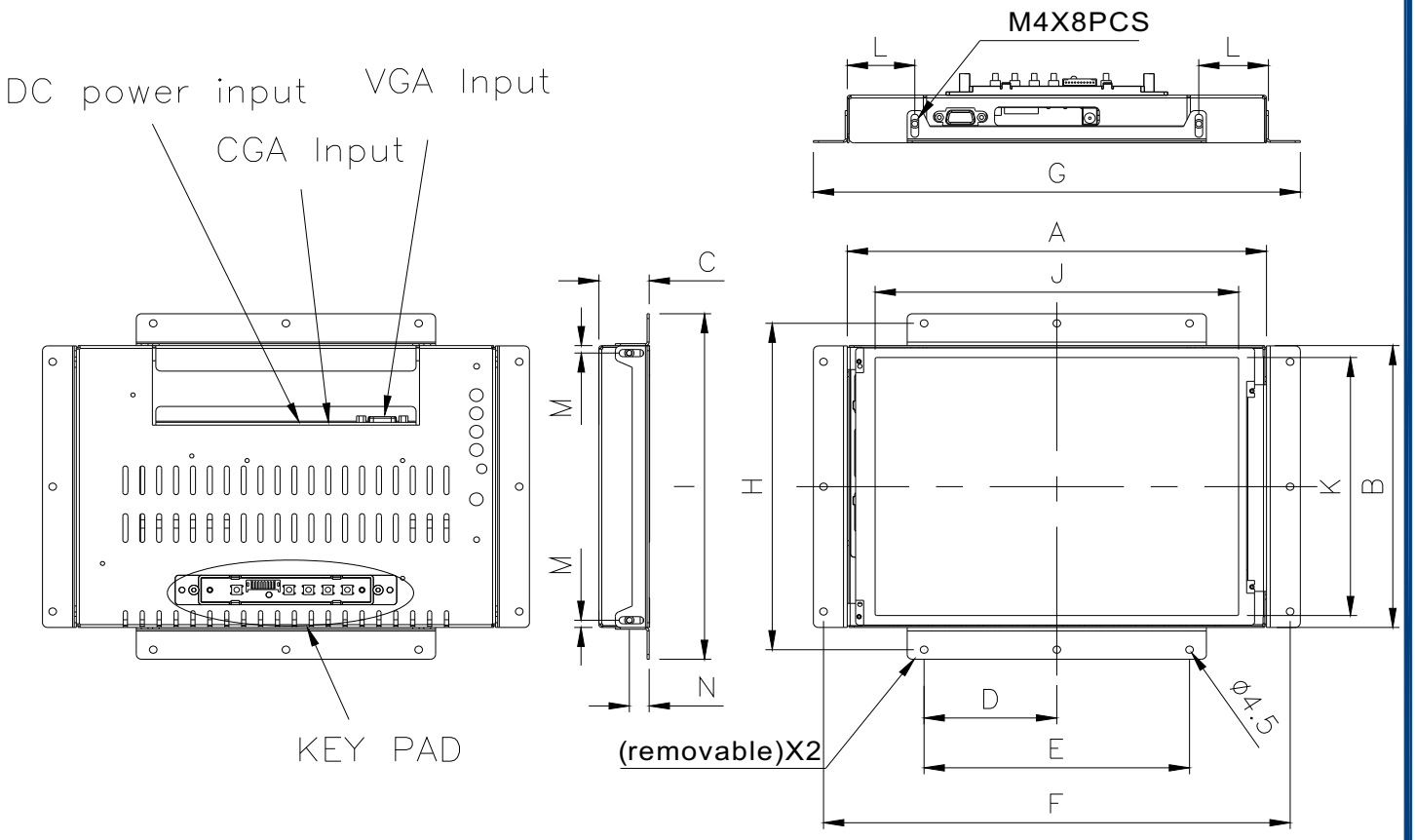


Units: mm

MODEL	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*	*I*	*J*
MT35081AX-01	220.5	150.5	30	173.5	131	78.5	177	15.5	43.5	26
MT35121AX-01	285	217	36	249	188.3	78.5	177	15.5	48.5	57
MT3512AX-01	285	217	36	249	187.5	78.5	177	15.5	48.5	57

OUTER DIMENSION

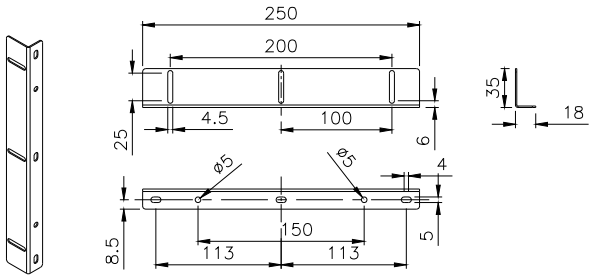




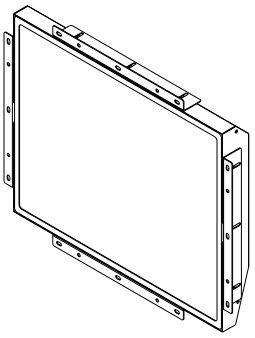
Units: mm

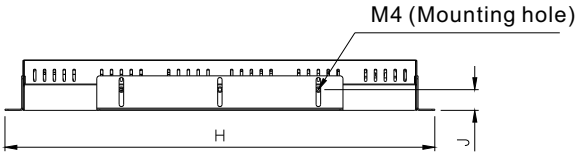
MODEL	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*	*I*	*J*	*K*	*L*	*M*	*N*
MT35101AX-01	248	177	30	78.5	157	276	288	205	217	215	162	40	4.5	11.5

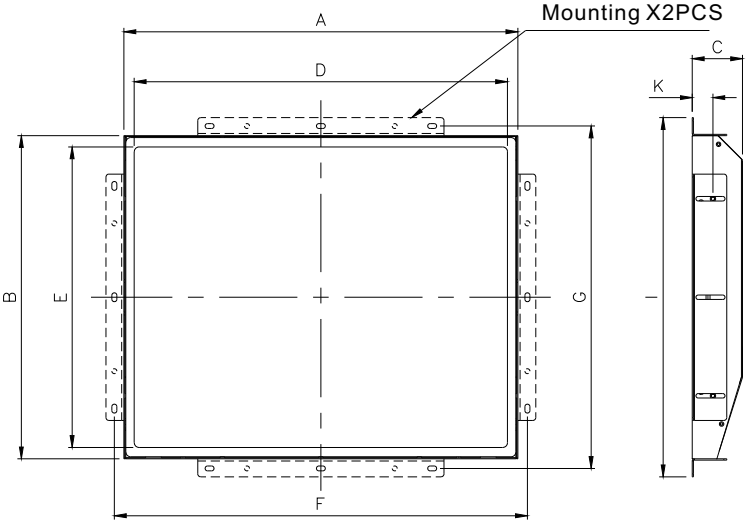
OUTER DIMENSION

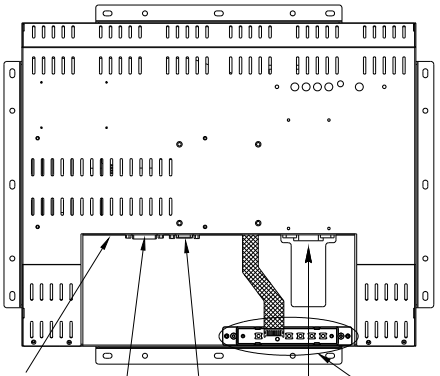


Mounting Bracket









DC power input

MT35151A1-01
MT3517AX-01
MT35171AX-01
MT3517WAX-01
MT3519AX-01
MT35191AX-01
MT3519WAX-01
MT3520AX-01
MT3520WAX-01
MT35201AX-01
MT3522WAX-01

CGA Input

VGA Input

KEY PAD

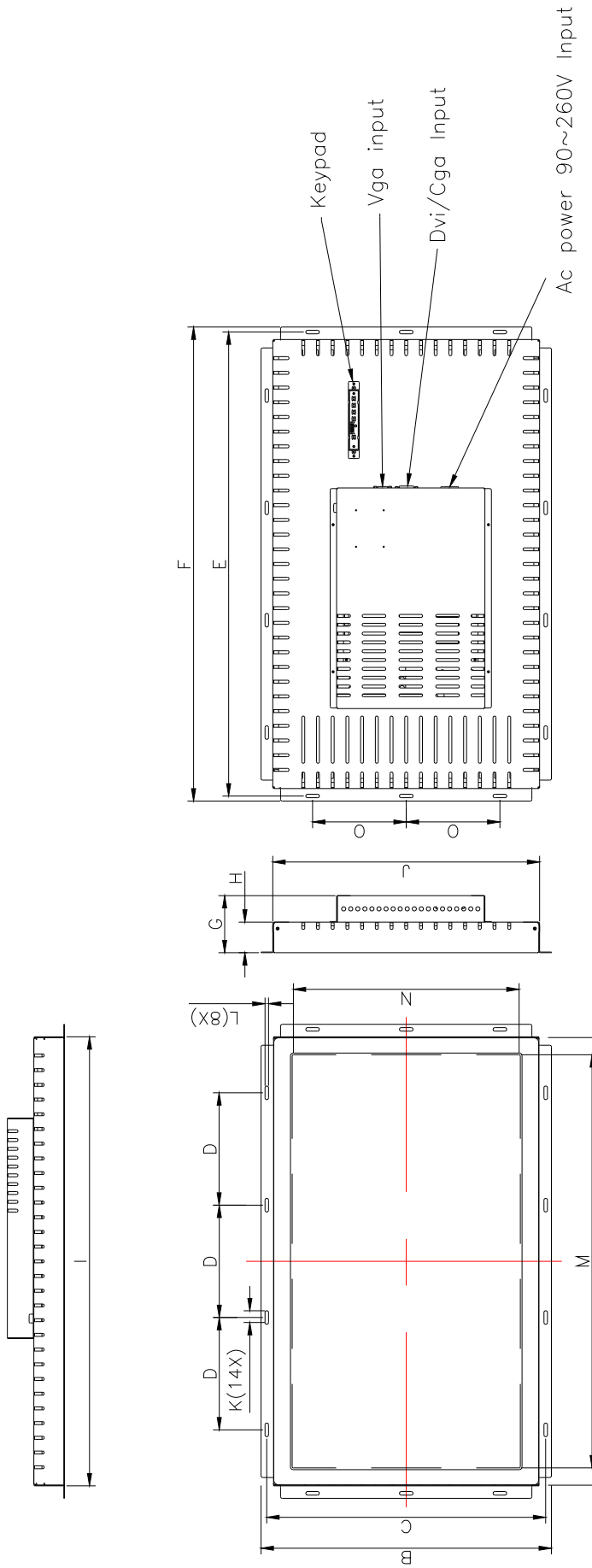
AC Socket Power

MT35151A1-02
MT3517AX-02
MT35171AX-02
MT3517WAX-02
MT3519AX-02
MT35191AX-02
MT3519WAX-02
MT3520AX-02
MT3520WAX-02
MT35201AX-02
MT3522WAX-02

Units: mm

MODEL	A	B	C	D	E	F	G	H	I	J	K
MT35151AX-0X	330.5	257.5	48	304	228	350	276.8	367	293.8	15	15
MT3515AX-0X	334.5	257.5	48	304	228	354	276.8	371	293.8	15	15
MT3517AX-0X	362.5	300.5	50	340.9	273.3	382	320	399	337	21	16
MT35171AX-0X	362.5	300.5	50	341.5	274	382	320	399	337	21	16
MT35171WAX-0X	384.7	250.7	45	367.2	231.8	404	270	421	287	16	24
MT3519AX-0X	400	328	51	376.3	301.6	420	347	436	364	21	21
MT35191AX-0X	400	328	51	379	305	420	347	436	364	21	21
MT35191WAX-0X	429.5	281	50	413	260	449	300.4	466	417.5	20	25
MT3520AX-0X	436	335.8	55.5	413	311	455	355	472	372	24	31
MT35201AX-0X	436	335.8	55.5	413	311	455	355	472	372	24	31
MT3520WAX-0X	476	280.6	55	448	253.8	495	299	512	316	28	25
MT3522WAX-0X	497	324	49	477.7	300	516.7	343.6	533.4	360.6	21	24

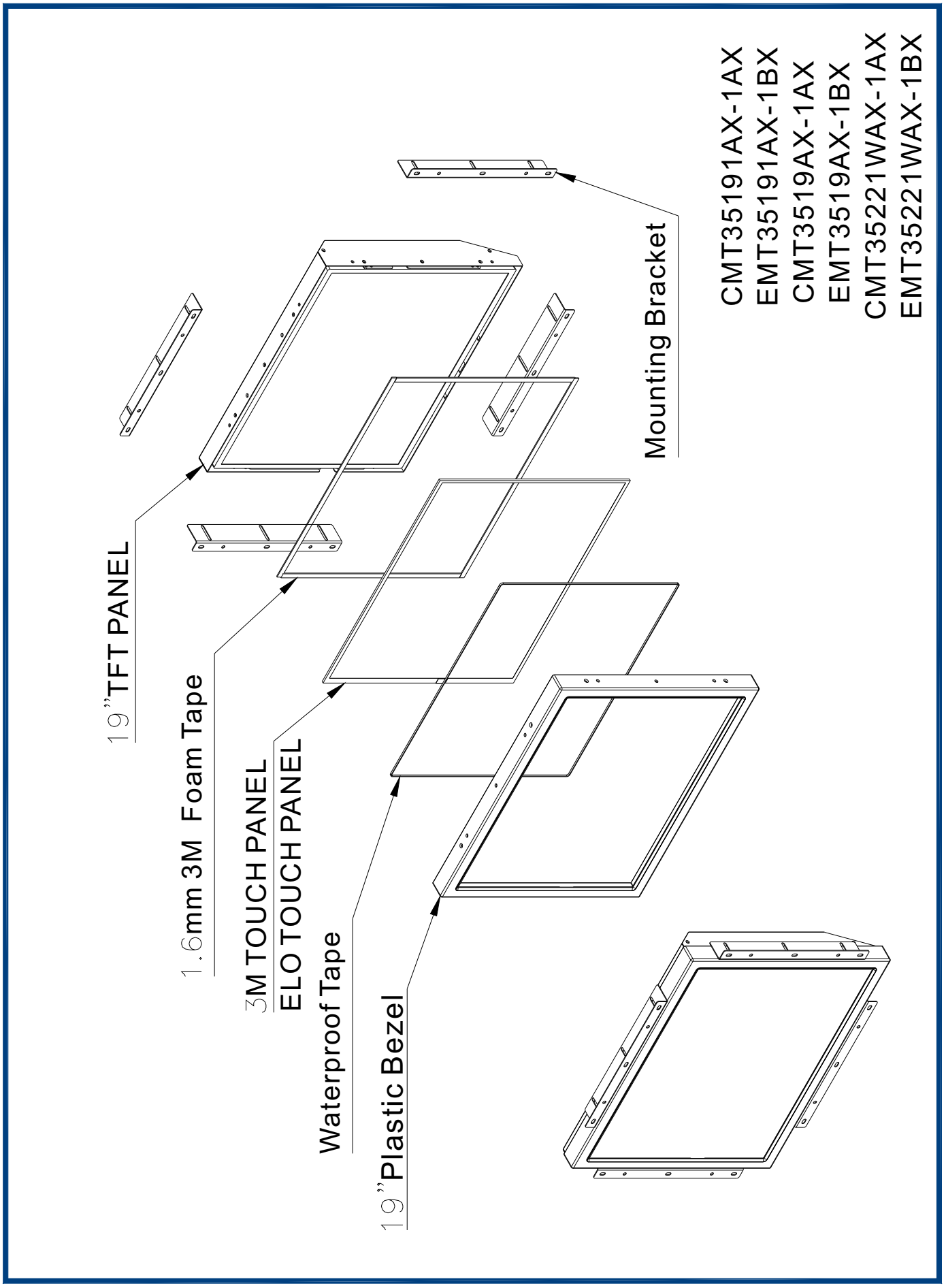
OUTER DIMENSION



Units: mm

Model	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*	*I*	*J*	*K*	*L*	*M*	*N*	*O*
MT3526AX-0A	622	430	410	188	660	683	84	45	624	392	20	6	566.4	339.8	150
MT3532AX-0A	761	493.4	474	191	789.4	803.4	97	52	762.4	454.4	20	6	714	405.4	167
MT3542AX-2A	1007	654	640	300	1035	1049	103	63	1009	613	20	6	930.2	523	260

OUTER DIMENSION



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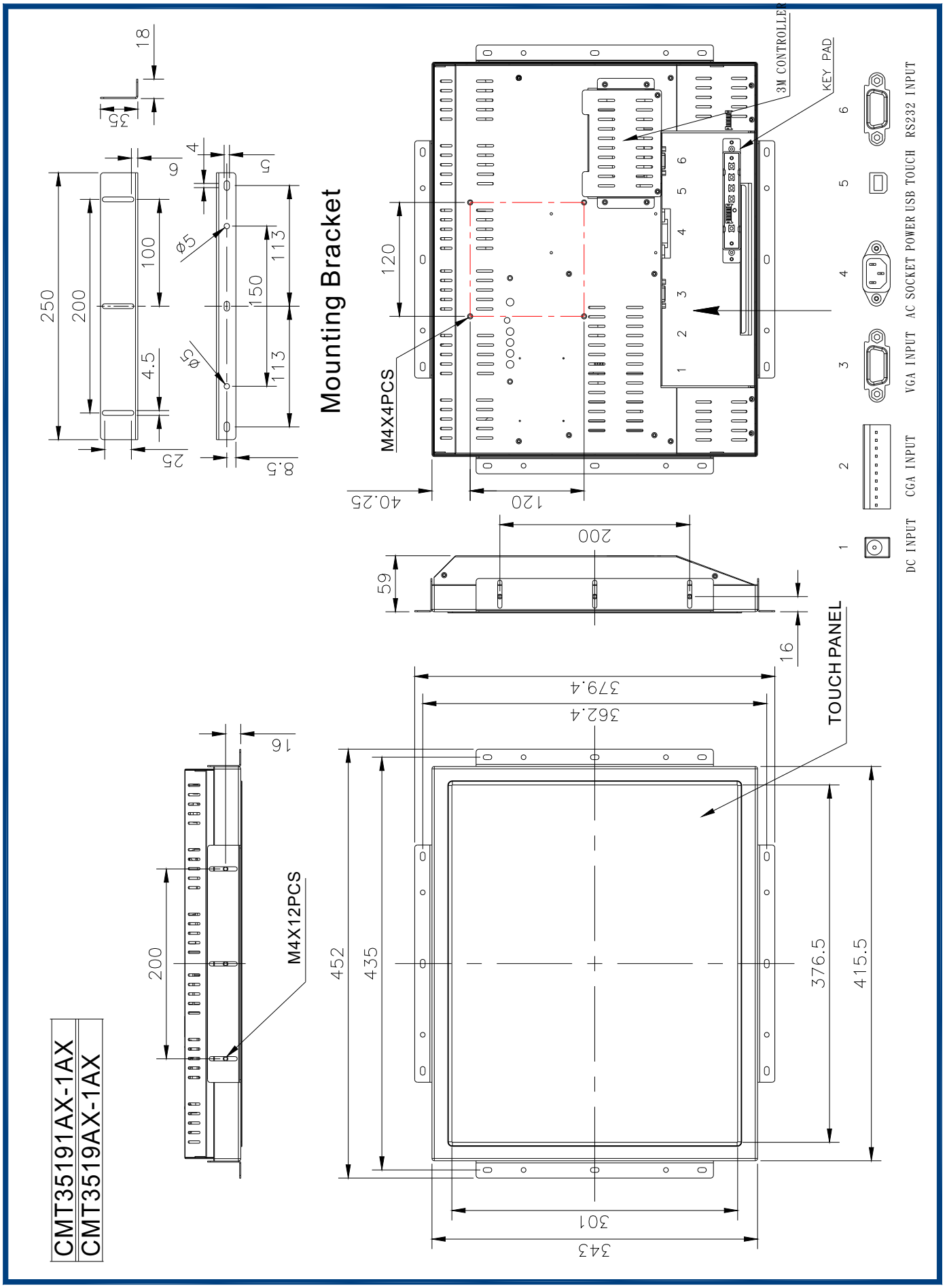

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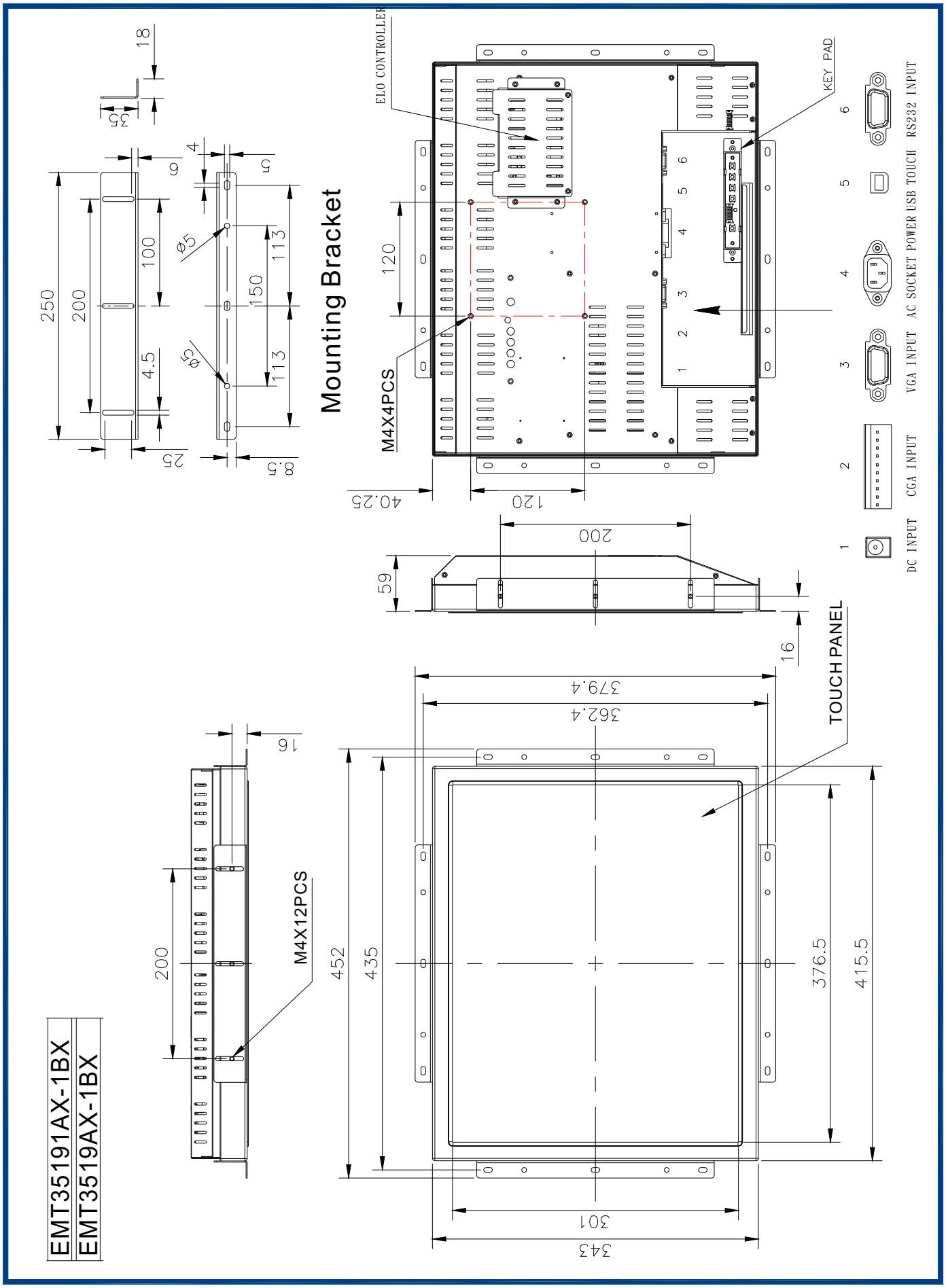

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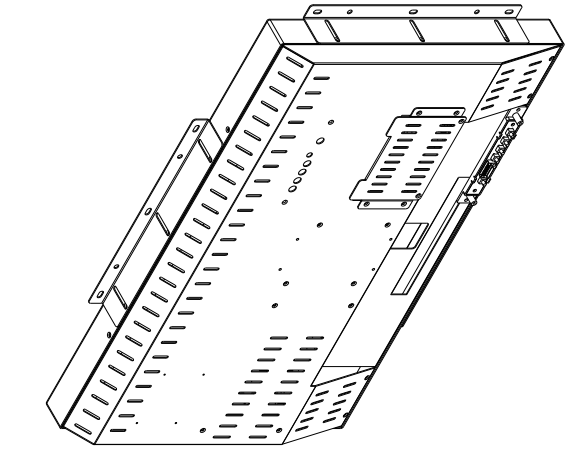
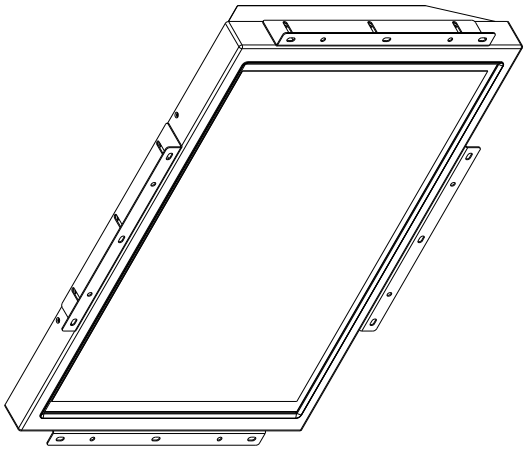
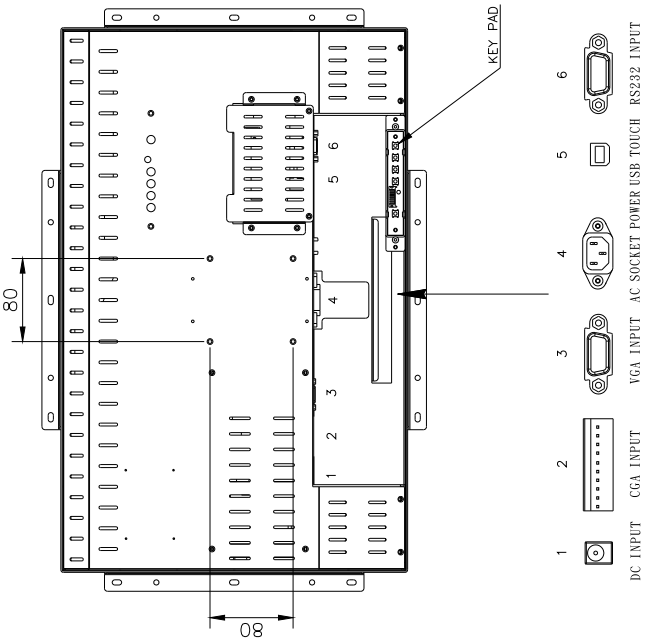
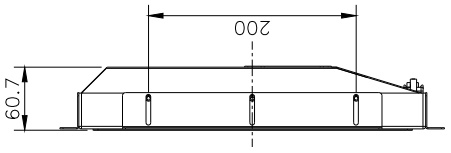
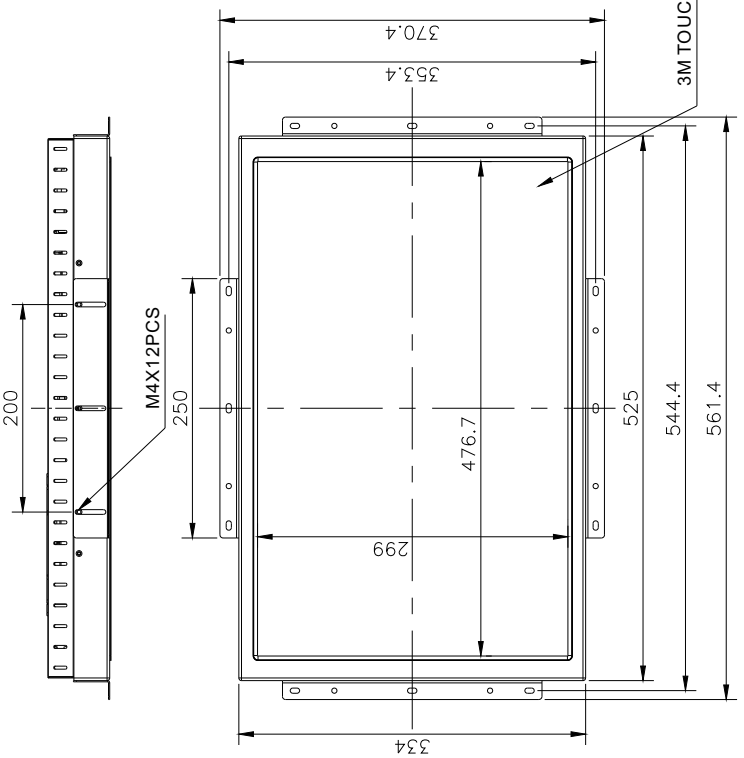
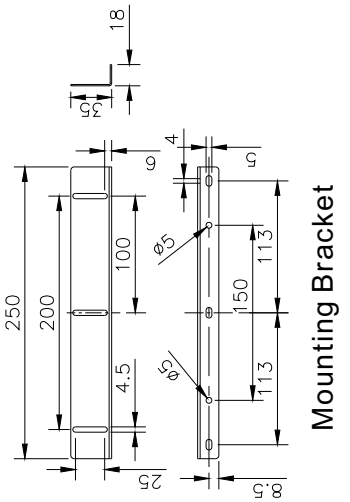










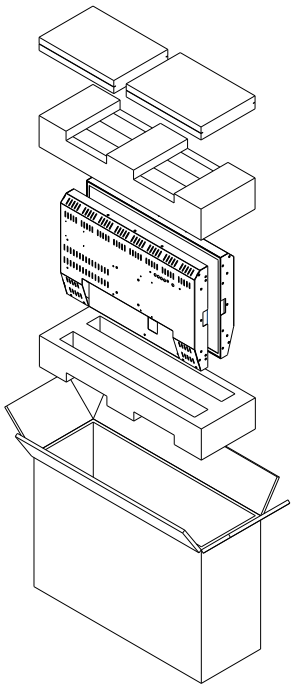


Mounting Bracket

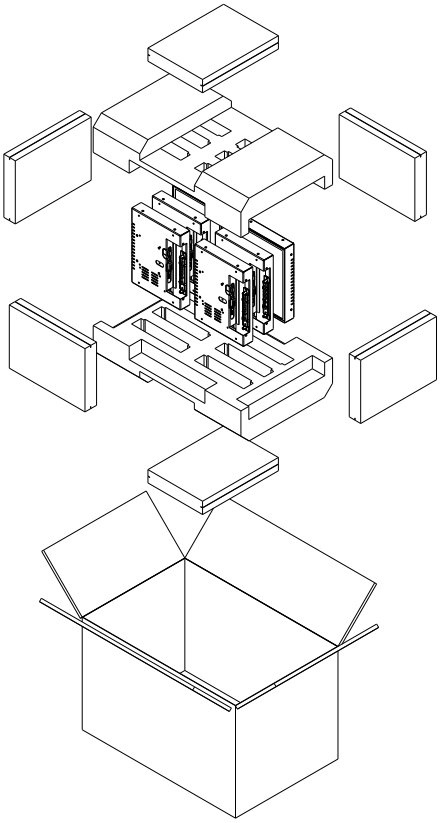
CMT35221WAX-1AX
EMT35221WAX-1BX

PACKING

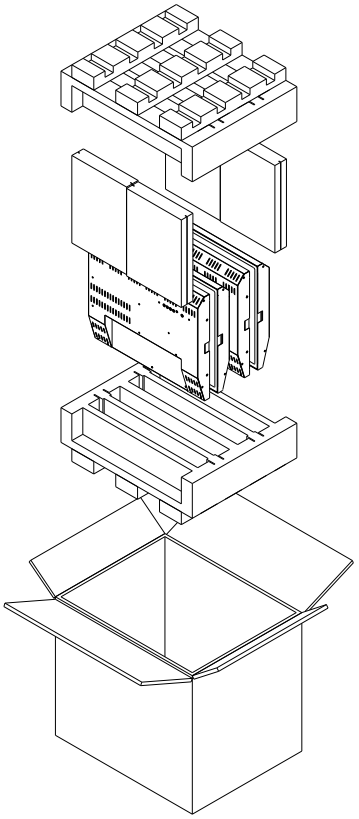
2PCS



6PCS



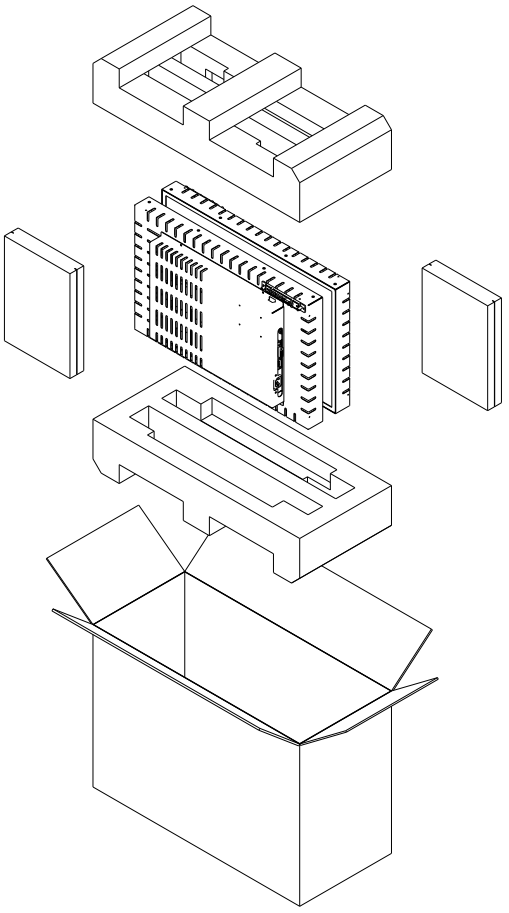
4PCS



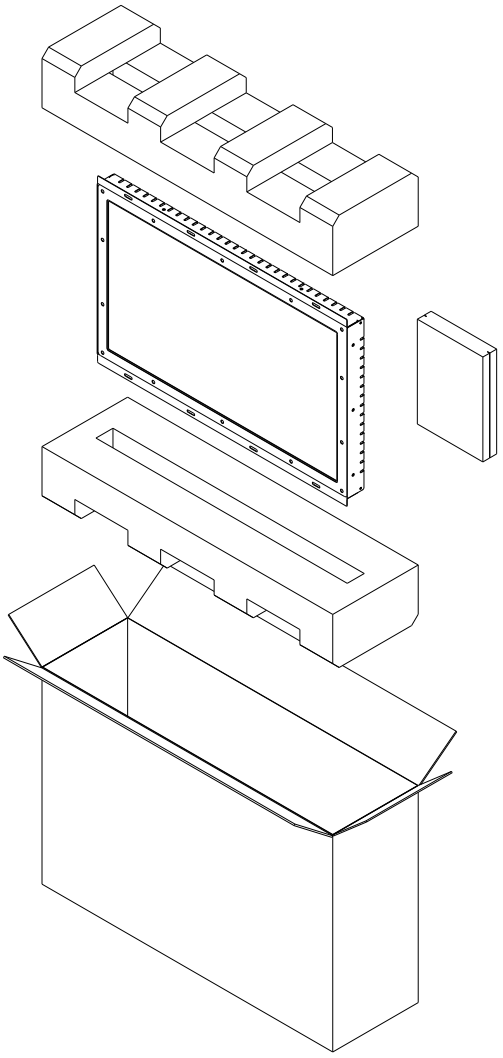
	MODEL	DIMENSION	AMOUNT
1	MT35081AX	490X375X280	6PCS
2	MT35101AX	555X350X372	6PCS
3	MT35121AX	490X442X310	4PCS
4	MT35151AX	425X375X350	4PCS
5	MT3515AX	425X375X350	4PCS
6	MT3517AX	462X400X410	4PCS
7	MT35171AX	462X400X410	4PCS
8	MT35171WAX	486X400X438	4PCS
9	MT3519AX	500X400X438	4PCS
10	MT35191AX	500X400X438	4PCS
11	MT35191WAX	570X450X410	4PCS
12	MT3520AX	536X400X445	4PCS
13	MT35201AX	536X400X445	4PCS
14	MT3520WAX	576X416X392	4PCS
15	MT35221WAX	600X200X428	2PCS
16	MT3522WAX	600X200X428	2PCS

PACKING

2PCS

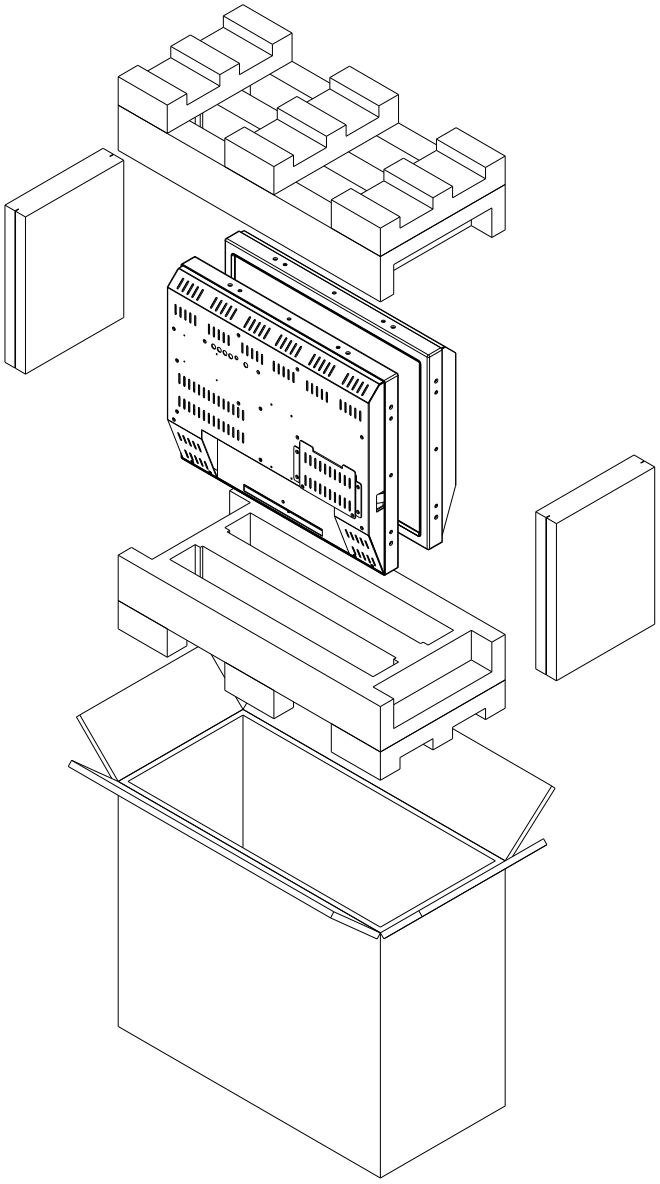


1PCS



	MODEL	DIMENSION	AMOUNT
1	MT3526AX	760X365X590	2PCS
2	MT3532AX	887X261X577	1PCS
3	MT3542AX	1200X320X810	1PCS

PACKING



	MODEL	DIMENSION	AMOUNT
1	CMT35191AX-1AX	545X264X445	2PCS
2	EMT35191AX-1BX	545X264X445	2PCS
3	CMT3519AX-1AX	545X264X445	2PCS
4	EMT3519AX-1BX	545X264X445	2PCS
5	CMT35221WAX-1AX	600X200X428	2PCS
6	EMT35221WAX-1BX	600X200X428	2PCS